

# **Selected Hospitalizations of Women during Pregnancy and Infants during the Neonatal Period**

(Reference Tables)

Prepared for the Healthy Birth Outcomes Initiative  
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## **Introduction**

These reference tables were prepared for the Healthy Birth Outcomes Initiative, Wisconsin Department of Health and Family Services. The tables present data on hospitalizations for selected conditions that describe a subset of maternal and neonatal morbidity. Examination of the number and rate of these hospitalizations may add to understanding of disparities in birth outcomes, and contribute to efforts to eliminate those disparities.

Two sets of selected conditions are included in each table: those for selected hospitalizations of *women during pregnancy* and those for selected hospitalizations of *neonates* (from birth through 28 days of age at discharge). The tables show the number of hospitalizations and the hospitalization rate per 1,000 births for the selected conditions.

The data are presented for two time periods so that comparisons over time can be made. One series of tables shows Wisconsin hospitalizations by race/ethnicity for the time periods 1991-1995 and 2000-2004. (Hospitalization data by race/ethnicity are not available for 1990.) A second series of tables shows Wisconsin hospitalizations of Milwaukee County residents by zip code of residence for the time periods 1990-1994 and 2000-2004.

### ***Data source***

Data was compiled from hospital inpatient discharge records of Wisconsin residents from Wisconsin hospitals. The hospital inpatient discharge file was prepared in the Bureau of Health Information and Policy, Division of Public Health, Department of Health and Family Services, from data collected by the Bureau of Health Information and Policy through September 30, 2003 and thereafter by the Wisconsin Hospital Association Information Center.

### ***Methodology***

All data in this report were prepared using a methodology developed in 1996 to respond to a data request that year. The tables showing 1990-1994 data by Milwaukee zip code were originally compiled in 1996 by Laura Harms, then staff in the Center for Health Statistics (now the Bureau of Health Information and Policy). The tables showing 1991-1995 and 2000-2004 data were compiled by Sandi Park of the Bureau of Health Information and Policy using the same methodology, to make them comparable to the original 1990-1994 tables.

The two groups were defined as follows: *women during pregnancy* means having a principal or secondary discharge diagnosis of pregnancy; *neonate* means the age at discharge was 28 days or less. Only nine selected conditions among women during pregnancy and 10 selected conditions among neonates were examined (see Appendix Tables for descriptions of the conditions selected).

Counts in all tables reflect the number of hospitalizations. If more than one of the selected conditions were reported for a hospitalization, only one condition was selected. (The selection order is reflected in the order that conditions appear in the tables.) If a person was hospitalized multiple times, each hospitalization was counted separately.

The methodology used to select the hospitalizations followed the definitions used for the original analysis performed in 1996. Dr. Tom Lengyel (now of the Alliance for Children and Families) and several multidisciplinary panels in Milwaukee developed the definitions for the hospitalization categories and for selecting a single diagnosis for a hospitalization when multiple diagnoses were reported.

The panel that selected the conditions included an obstetrician, a perinatologist, a pediatrician, a neonatologist, and researchers in Milwaukee. Two additional panels reviewed the initial list of selected conditions. Medical coding specialists and medical records supervisors from three Milwaukee-area hospitals helped to clarify the precise codes to apply in defining these hospitalizations.

### ***Race and ethnicity***

The original analysis in 1996 focused on data by Milwaukee zip code of residence, and did not include information on race/ethnicity. These reference tables now include data for Wisconsin residents (statewide) by race/ethnicity. For these tables, race and ethnicity on the hospital discharge record have been categorized into six groups based on reported race and whether or not Hispanic ethnicity was reported. The groups are:

- White (non-Hispanic)
- Black (non-Hispanic)
- American Indian (non-Hispanic)
- Hispanic
- Asian (non-Hispanic)
- Unknown race/ethnicity and other non-Hispanic race

Note: Approximately 12 percent of the selected hospitalizations in 1991-1995 and 15 percent in 2000-2004 had unknown or other race/ethnicity. These are included in the totals, but represent undercounts in some racial/ethnic groups.

### ***Where to find these tables***

These tables are available online from the Department of Health and Family Services at the following Web address: <http://dhfs.wisconsin.gov/healthybirths/>.

Questions about the tables may be sent to Sandi Park in the Bureau of Health Information and Policy, at [parks1@dhfs.state.wi.us](mailto:parks1@dhfs.state.wi.us).

**Table 1. Selected Hospitalizations During Pregnancy and Among Neonates,  
By Race/Ethnicity, Wisconsin, 1991 - 1995 Inclusive**

8/2/2006

<b>During Pregnancy (Women)</b>		African American	American Indian	Asian	Hispanic	White	Total
<b>Pyelonephritis</b>	(a) 646.63 X 590.10	157	5	13	31	357	582
	(b) 646.63 X 590.80	148	7	5	23	191	395
	(c) 590.10 X v22.2	12	3	0	3	58	78
	(d) 590.80 X v22.2	25	1	1	6	24	62
<b>Sickle cell crisis</b>	648.23 X 282.62	43	0	0	2	0	45
<b>Epilepsy</b>	648.93 X 345.3	1	0	0	0	1	2
<b>Asthma</b>	(a) 648.93 X 493.00 - .90	88	3	1	11	110	219
	(b) 648.93 X 493.01 - .91	18	0	0	2	29	50
	(c) 646.83 X 493.00 - .90	29	1	0	1	11	44
	(d) 646.83 X 493.01 - .91	1	0	0	0	0	1
<b>Diabetic ketoacidosis</b>	648.03 X 250.10 - .13	4	0	0	3	26	33
<b>Abnormal glucose tolerance</b>	648.83 X any	186	7	13	55	215	503
<b>Diabetes</b>	648.03 X any	180	11	6	32	352	607
<b>Drug abuse</b>	(a) 648.33 X any	205	2	0	3	32	252
	(b) 648.43 X 303.0x - 303.9x	9	3	0	1	31	44
	(c) 648.43 X 305.0	14	1	0	0	9	24
	(d) 648.43 X 305.2x - 305.9x	31	0	0	0	10	41
	(e) 304.21 X v22.2	66	0	0	3	14	87
	(f) 304.21 X V23.8	1	0	0	0	0	1
<b>Eclampsia</b>	642.63 X any	0	0	0	0	9	9
Selected Pregnancy Hospitalizations Total		1,218	44	39	176	1,479	3,079
Selected Pregnancy Hospitalizations per 1,000 births		35.0	10.7	4.3	15.3	5.1	8.8
<b>During the Neonatal Period (Infants)</b>		African American	American Indian	Asian	Hispanic	White	Total
<b>Congenital rubella</b>	(b) any X 771.0	1	0	0	0	3	4
<b>Congenital syphilis</b>	(a) 090.0 - 090.4x X any	16	1	0	1	0	18
	(b) any X 090.0 - 090.4x	75	0	0	0	3	80
	(c) 090.9 X any	5	0	0	0	2	7
	(d) any X 090.9	171	0	0	7	6	192
<b>Drug reactions</b>	(a) 779.4 X any	0	0	0	0	0	0
	(b) any X 779.4	3	0	0	0	5	10
<b>Drug withdrawal</b>	(a) 779.5 X any	0	0	0	0	1	1
	(b) any X 779.5	31	0	0	1	43	95
<b>Extreme immaturity</b>	v30.00 - 30.11 X 765.0x	362	8	27	28	671	1,309
<b>Other preterm infant</b>	v30.00 - 30.11 X 765.1x	3,391	79	239	389	9,875	16,127
<b>Hemolytic disease (Rh iso.)</b>	(a) 773.0 X any	1	0	0	0	21	30
	(b) any X 773.0	25	0	1	8	199	290
<b>Other viral incl HIV, hepatitis</b>	V30.00-V30.11 X V01.7	48	1	85	11	47	210
<b>Maternal nutritional disorders</b>	any X 760.4	2	0	0	0	0	2
<b>Noxious influences</b>	(a) any X 760.71	36	4	0	4	37	88
	(b) any X 760.72	130	2	0	6	39	196
	(c) any X 760.73	0	0	0	0	2	4
	(d) any X 760.75	672	8	0	20	130	900
<b>Patent ductus arteriosus</b>	(a) 747.0 X any	0	0	2	1	18	27
	(b) any X 747.0	95	13	26	19	683	1,015
Selected Neonatal Hospitalizations Total		5,064	116	380	495	11,785	20,605
Selected Neonatal Hospitalizations per 1,000 births		145.4	28.2	42.0	43.0	40.8	59.2
All Selected Hospitalizations		6,282	160	419	671	13,264	23,684
All Selected Hospitalizations per 1,000 births		180.4	38.9	46.3	58.3	46.0	68.0
Total Births (1991 - 1995)		34,830	4,112	9,058	11,500	288,633	348,221
Infant Mortality Rate per 1,000 births (1991 - 1995)		15.8	11.7	5.4	8.8	6.8	7.8

Source: Bureau of Health Information and Policy, Division of Public Health, Department of Health and Family Services.

Note: Totals include unknown and other race/ethnicity.

**Table 2. Selected Hospitalizations During Pregnancy and Among Neonates,  
By Race/Ethnicity, Wisconsin, 2000 - 2004 Inclusive**

8/1/2006

<b>During Pregnancy (Women)</b>		African American	American Indian	Asian	Hispanic	White	Total
<b>Pyelonephritis</b>	(a) 646.63 X 590.10	103	13	17	46	337	544
	(b) 646.63 X 590.80	170	8	18	95	416	742
	(c) 590.10 X v22.2	1	0	0	0	3	4
	(d) 590.80 X v22.2	1	0	0	0	4	5
<b>Sickle cell crisis</b>	648.23 X 282.62	86	0	0	0	0	86
<b>Epilepsy</b>	648.93 X 345.3	0	0	0	0	0	0
<b>Asthma</b>	(a) 648.93 X 493.00 - .90	58	1	1	8	141	220
	(b) 648.93 X 493.01 - .91	11	1	0	3	32	47
	(c) 646.83 X 493.00 - .90	7	1	0	2	25	35
	(d) 646.83 X 493.01 - .91	1	0	0	0	5	6
<b>Diabetic ketoacidosis</b>	648.03 X 250.10 - .13	11	1	0	0	39	51
<b>Abnormal glucose tolerance</b>	648.83 X any	68	11	6	33	124	252
<b>Diabetes</b>	648.03 X any	160	12	4	59	211	459
<b>Drug abuse</b>	(a) 648.33 X any	30	10	0	7	70	118
	(b) 648.43 X 303.0x - 303.9x	13	6	0	0	66	89
	(c) 648.43 X 305.0	12	4	1	2	26	45
	(d) 648.43 X 305.2x - 305.9x	25	3	0	4	38	70
	(e) 304.21 X v22.2	0	0	0	0	1	1
<b>Eclampsia</b>	642.63 X any	0	0	0	1	9	11
Selected Pregnancy Hospitalizations Total		757	71	47	260	1,547	2,785
Selected Pregnancy Hospitalizations per 1,000 births		23.5	14.9	4.2	9.9	5.7	8.0
<b>During the Neonatal Period (Infants)</b>		African American	American Indian	Asian	Hispanic	White	Total
<b>Congenital rubella</b>	(b) any X 771.0	0	0	0	0	1	1
<b>Congenital syphilis</b>	(a) 090.0 - 090.4x X any	3	0	0	0	1	4
	(b) any X 090.0 - 090.4x	10	0	1	1	2	20
	(c) 090.9 X any	1	0	0	0	0	1
	(d) any X 090.9	0	0	0	0	0	1
<b>Drug reactions</b>	(a) 779.4 X any	0	0	0	0	1	1
	(b) any X 779.4	0	0	0	1	9	10
<b>Drug withdrawal</b>	(a) 779.5 X any	4	1	0	0	8	14
	(b) any X 779.5	23	4	1	7	125	198
<b>Extreme immaturity</b>	v30.00 - 30.11 X 765.0x	220	8	20	57	635	1,285
<b>Other preterm infant</b>	v30.00 - 30.11 X 765.1x	1,441	118	262	564	10,342	14,941
<b>Hemolytic disease (Rh iso.)</b>	(a) 773.0 X any	1	0	0	2	16	24
	(b) any X 773.0	9	1	1	13	126	167
<b>Other viral incl HIV, hepatitis</b>	V30.00-V30.11 X V01.7	19	1	14	1	39	89
<b>Maternal nutritional disorders</b>	any X 760.4	0	0	0	0	0	0
<b>Noxious influences</b>	(a) any X 760.71	20	2	0	0	6	36
	(b) any X 760.72	20	3	2	1	35	76
	(c) any X 760.73	4	0	0	0	2	7
	(d) any X 760.75	158	3	0	10	88	372
<b>Patent ductus arteriosus</b>	(a) 747.0 X any	7	1	0	1	33	66
	(b) any X 747.0	77	38	16	44	781	1,151
Selected Neonatal Hospitalizations Total		2,017	180	317	702	12,250	18,464
Selected Neonatal Hospitalizations per 1,000 births		62.7	37.7	28.0	26.7	45.0	53.2
All Selected Hospitalizations		2,774	251	364	962	13,797	21,249
All Selected Hospitalizations per 1,000 births		86.3	52.6	32.2	36.5	50.7	61.2
<b>Total Births (2000 - 2004)</b>		32,148	4,775	11,312	26,340	272,196	346,941
Infant Mortality Rate per 1,000 births		17.7	10.1	5.8	6.1	5.3	6.6

Source: Bureau of Health Information and Policy, Division of Public Health, Department of Health and Family Services.

Note: Totals include unknown and other race/ethnicity.

**Table 3. Selected Hospitalizations During Pregnancy and Among Neonates,  
By Milwaukee County Zip Code of Residence, 1990 - 1994 Inclusive**

8/1/2006

<b>During Pregnancy (Women)</b>	53110	53129	53130	53132	53154	53172	53201	53202
Pyelonephritis	(a) 646.63 X 590.10	1	0	0	0	1	1	0
	(b) 646.63 X 590.80	1	0	0	1	1	1	0
	(c) 590.10 X v22.2	0	0	0	0	0	1	0
	(d) 590.80 X v22.2	0	0	0	0	0	1	0
Sickle cell crisis	648.23 X 282.62	0	0	0	0	0	0	0
Epilepsy	(a) 648.93 X 345.3	0	0	0	0	0	0	0
Asthma	(a) 648.93 X 493.00 - .90	1	0	0	0	1	0	0
	(b) 648.93 X 493.01 - .91	0	0	0	0	0	0	0
	(c) 646.83 X 493.00 - .90	1	0	0	0	0	0	0
	(d) 646.83 X 493.01 - .91	0	0	0	0	0	0	0
Diabetic ketoacidosis	648.03 X 250.10 - .13	0	0	0	1	0	0	0
Abnormal glucose tolerance	648.83 X any	2	2	0	2	1	1	0
Diabetes	648.03 X any	1	0	0	2	0	5	0
Drug abuse	(a) 648.33 X any	0	0	0	0	0	0	0
	(b) 648.43 X 303.0x - 303.9x	0	0	0	0	0	0	0
	(c) 648.43 X 305.0	0	0	0	0	0	0	0
	(d) 648.43 X 305.2x - 305.9x	0	0	0	0	0	0	0
	(e) 304.21 X v22.2	0	0	0	0	0	1	1
	(f) 304.21 X v23.8	0	0	0	0	0	0	0
Eclampsia	642.63 X any	0	0	0	0	0	0	0
Selected Pregnancy Hospitalizations Total	7	2	0	6	4	11	1	19
Selected Pregnancy Hospitalizations per 1,000 births	5.9	n/a	n/a	4.2	n/a	8.5	n/a	28.1
<b>During the Neonatal Period (Infants)</b>	53110	53129	53130	53132	53154	53172	53201	53202
Congenital rubella	any X 771.0	0	0	0	0	0	0	0
Congenital syphilis	(a) 090.0 - 090.4x X any	0	0	0	0	0	0	0
	(b) any X 090.0 - 090.4x	0	0	0	0	0	0	0
	(c) 090.9 X any	0	0	0	0	0	0	0
	(d) any X 090.9	0	0	0	0	1	1	1
Drug reactions	any X 779.4	0	0	0	0	0	0	0
Drug withdrawal	any X 779.5	0	0	0	1	0	1	0
Extreme immaturity	v30.00 - 30.11 X 765.0x	4	0	2	4	6	4	0
Other preterm infant	v30.00 - 30.11 X 765.1x	34	17	9	45	49	47	3
Hemolytic disease (Rh iso.)	(a) 773.0 X any	0	0	0	0	0	0	0
	(b) any X 773.0	1	0	1	2	3	0	1
Other viral incl HIV, hepatitis	v30.00 - 30.11 X v01.7	0	0	0	0	0	1	0
Maternal nutritional disorders	any X 760.4	0	0	0	0	0	0	0
Noxious influences	(a) any X 760.71	1	0	0	0	0	1	1
	(b) any X 760.72	0	0	0	1	1	0	3
	(c) any X 760.73	0	0	0	0	0	0	0
	(d) any X 760.75	1	0	0	1	1	0	7
Patent ductus arteriosus	(a) 747.0 X any	0	0	0	1	0	0	0
	(b) any X 747.0	2	1	0	2	5	3	0
Selected Neonatal Hospitalizations Total	43	18	12	57	65	58	5	66
Selected Neonatal Hospitalizations per 1,000 births	36.3	28.3	25.8	39.7	46.7	45.0	83.3	97.5
All Selected Hospitalizations	50	20	12	63	69	69	6	85
All Selected Hospitalizations per 1,000 births	42.2	28.3	25.8	43.9	46.7	53.6	83.3	125.6
Total Births (1990 -1994)	1,186	636	466	1,435	1,392	1,288	60	677
Total Infant Deaths (1990-1994)	8	2	6	5	14	9	1	5
Infant Mortality Rate per 1,000 Births	6.7	n/a	12.9	3.5	10.1	7.0	n/a	7.4
Percent Low Birthweight (1990 - 1994) (<2500 g)	4.8%	4.2%	4.3%	3.9%	4.5%	5.2%	15.0%	6.8%
Number Low Birthweight (1990 - 1994)	57	27	20	56	62	67	9	46

Source: Bureau of Health Information and Policy, Division of Public Health, Department of Health and Family Services.

Note: Rates are not calculated for events less than 5.

**Table 3. Selected Hospitalizations During Pregnancy and Among Neonates,  
By Milwaukee County Zip Code of Residence, 1990 - 1994 Inclusive**

8/1/2006

<b>During Pregnancy (Women)</b>		53203	53204	53205	53206	53207	53208	53209	53210
Pyelonephritis	(a) 646.63 X 590.10	0	18	17	28	3	28	15	18
	(b) 646.63 X 590.80	0	12	3	29	5	25	9	20
	(c) 590.10 X v22.2	0	0	0	3	0	2	1	1
	(d) 590.80 X v22.2	0	5	4	5	1	2	1	3
Sickle cell crisis	648.23 X 282.62	0	0	12	8	0	0	4	7
Epilepsy	(a) 648.93 X 345.3	0	0	0	0	0	0	0	1
Asthma	(a) 648.93 X 493.00 - .90	0	7	3	7	2	13	5	11
	(b) 648.93 X 493.01 - .91	0	2	0	1	0	2	0	0
	(c) 646.83 X 493.00 - .90	0	2	0	3	0	1	0	0
	(d) 646.83 X 493.01 - .91	0	0	0	0	0	0	0	0
Diabetic ketoacidosis	648.03 X 250.10 - .13	0	0	1	0	0	0	3	2
Abnormal glucose tolerance	648.83 X any	0	29	14	36	13	19	20	15
Diabetes	648.03 X any	0	19	15	38	7	12	31	20
Drug abuse	(a) 648.33 X any	0	6	16	33	1	27	17	4
	(b) 648.43 X 303.0x - 303.9x	0	0	1	2	0	1	3	1
	(c) 648.43 X 305.0	0	0	2	4	0	3	1	1
	(d) 648.43 X 305.2x - 305.9x	0	0	3	8	0	4	3	3
	(e) 304.21 X v22.2	0	3	7	14	1	15	10	12
	(f) 304.21 X v23.8	0	0	0	1	0	0	0	0
Eclampsia	642.63 X any	0	0	0	0	0	0	0	0
Selected Pregnancy Hospitalizations Total		0	103	98	220	33	154	123	119
Selected Pregnancy Hospitalizations per 1,000 births	n/a	19.2	45.5	37.1	11.0	26.6	26.5	29.0	
<b>During the Neonatal Period (Infants)</b>		53203	53204	53205	53206	53207	53208	53209	53210
Congenital rubella	any X 771.0	0	1	0	0	2	0	0	0
Congenital syphilis	(a) 090.0 - 090.4x X any	0	0	1	6	0	2	2	1
	(b) any X 090.0 - 090.4x	0	3	0	18	0	9	5	6
	(c) 090.9 X any	0	0	0	1	0	1	0	1
	(d) any X 090.9	0	12	16	37	1	26	11	15
Drug reactions	any X 779.4	0	0	0	0	0	0	0	1
Drug withdrawal	any X 779.5	0	4	5	9	0	5	1	3
Extreme immaturity	v30.00 - 30.11 X 765.0x	0	29	23	70	13	49	40	42
Other preterm infant	v30.00 - 30.11 X 765.1x	3	393	256	717	145	635	413	401
Hemolytic disease (Rh iso.)	(a) 773.0 X any	0	0	0	0	0	1	0	0
	(b) any X 773.0	0	3	1	7	15	4	4	2
Other viral incl HIV, hepatitis	v30.00 - 30.11 X v01.7	0	12	5	8	2	17	7	2
Maternal nutritional disorders	any X 760.4	0	0	0	2	0	0	0	1
Noxious influences	(a) any X 760.71	0	3	4	6	1	4	3	2
	(b) any X 760.72	1	18	17	48	2	38	12	19
	(c) any X 760.73	0	1	0	0	0	0	0	0
	(d) any X 760.75	2	33	51	124	5	68	43	53
Patent ductus arteriosus	(a) 747.0 X any	0	0	0	1	0	0	0	0
	(b) any X 747.0	0	16	6	19	7	10	22	13
Selected Neonatal Hospitalizations Total		6	528	385	1,073	193	869	563	562
Selected Neonatal Hospitalizations per 1,000 births		193.5	98.4	178.6	181.2	64.2	150.2	121.5	137.0
All Selected Hospitalizations		6	631	483	1,293	226	1,023	686	681
All Selected Hospitalizations per 1,000 births		193.5	117.6	224.0	218.3	75.2	176.8	148.1	166.0
Total Births (1990 -1994)		31	5,367	2,156	5,923	3,006	5,785	4,633	4,102
Total Infant Deaths (1990-1994)		0	51	31	89	27	78	61	39
Infant Mortality Rate per 1,000 Births		n/a	9.5	14.4	15.0	9.0	13.5	13.2	9.5
Percent Low Birthweight (1990 - 1994) (<2500 g)		9.7%	8.3%	14.6%	15.8%	6.3%	12.4%	11.1%	11.5%
Number Low Birthweight (1990 - 1994)		3	448	315	933	189	715	516	470

Source: Bureau of Health Information and Policy, Division of Public Health, Department of Health and Family Services.

Note: Rates are not calculated for events less than 5.

**Table 3. Selected Hospitalizations During Pregnancy and Among Neonates,  
By Milwaukee County Zip Code of Residence, 1990 - 1994 Inclusive**

8/1/2006

<b>During Pregnancy (Women)</b>		53211	53212	53213	53214	53215	53216	53217	53218
Pyelonephritis	(a) 646.63 X 590.10	0	20	0	1	5	14	0	13
	(b) 646.63 X 590.80	3	15	0	5	4	12	0	11
	(c) 590.10 X v22.2	0	0	0	0	0	1	0	0
	(d) 590.80 X v22.2	1	5	0	0	2	3	0	1
Sickle cell crisis	648.23 X 282.62	0	0	0	0	0	2	0	2
Epilepsy	(a) 648.93 X 345.3	0	0	0	0	0	0	0	0
Asthma	(a) 648.93 X 493.00 - .90	0	13	1	5	4	8	1	5
	(b) 648.93 X 493.01 - .91	0	1	0	0	2	0	1	1
	(c) 646.83 X 493.00 - .90	0	4	0	0	1	1	0	0
	(d) 646.83 X 493.01 - .91	0	0	0	0	0	0	0	0
Diabetic ketoacidosis	648.03 X 250.10 - .13	0	1	0	0	1	0	0	1
Abnormal glucose tolerance	648.83 X any	5	30	3	0	11	25	0	22
Diabetes	648.03 X any	3	18	2	4	6	17	3	23
Drug abuse	(a) 648.33 X any	1	23	0	0	4	11	0	6
	(b) 648.43 X 303.0x - 303.9x	1	1	0	0	0	0	0	1
	(c) 648.43 X 305.0	0	1	0	0	0	3	0	0
	(d) 648.43 X 305.2x - 305.9x	0	2	0	0	1	2	0	1
	(e) 304.21 X v22.2	0	16	0	2	1	2	0	1
	(f) 304.21 X v23.8	0	0	0	0	0	0	0	0
Eclampsia	642.63 X any	0	0	0	0	1	0	0	0
Selected Pregnancy Hospitalizations Total		14	150	6	17	43	101	5	88
Selected Pregnancy Hospitalizations per 1,000 births		7.2	31.3	2.9	6.5	9.6	29.3	2.8	24.8
<b>During the Neonatal Period (Infants)</b>		53211	53212	53213	53214	53215	53216	53217	53218
Congenital rubella	any X 771.0	0	0	0	0	0	0	0	1
Congenital syphilis	(a) 090.0 - 090.4x X any	0	1	0	0	1	1	0	1
	(b) any X 090.0 - 090.4x	0	5	1	0	0	3	0	1
	(c) 090.9 X any	0	1	0	0	2	0	0	0
	(d) any X 090.9	1	23	1	0	3	8	0	9
Drug reactions	any X 779.4	0	1	0	0	1	0	0	0
Drug withdrawal	any X 779.5	2	5	0	0	0	1	0	1
Extreme immaturity	v30.00 - 30.11 X 765.0x	7	47	7	9	21	30	7	27
Other preterm infant	v30.00 - 30.11 X 765.1x	80	498	91	100	254	290	64	254
Hemolytic disease (Rh iso.)	(a) 773.0 X any	0	0	0	0	0	0	0	0
	(b) any X 773.0	1	3	1	7	6	1	2	6
Other viral incl HIV, hepatitis	v30.00 - 30.11 X v01.7	1	6	1	1	7	2	0	6
Maternal nutritional disorders	any X 760.4	0	0	0	0	0	0	0	0
Noxious influences	(a) any X 760.71	1	9	0	1	1	1	0	0
	(b) any X 760.72	3	28	0	1	7	9	0	8
	(c) any X 760.73	0	0	0	0	2	0	0	0
	(d) any X 760.75	5	85	1	4	24	44	0	18
Patent ductus arteriosus	(a) 747.0 X any	0	0	0	0	0	0	0	0
	(b) any X 747.0	6	19	3	11	14	13	10	10
Selected Neonatal Hospitalizations Total		107	731	106	134	343	403	83	342
Selected Neonatal Hospitalizations per 1,000 births		55.3	152.7	50.9	51.5	77.0	116.9	46.8	96.4
All Selected Hospitalizations		121	881	112	151	386	504	88	430
All Selected Hospitalizations per 1,000 births		62.5	184.1	53.8	58.0	86.6	146.2	49.6	121.3
Total Births (1990 -1994)		1,936	4,786	2,082	2,604	4,457	3,448	1,775	3,546
Total Infant Deaths (1990-1994)		13	79	13	18	51	49	12	48
Infant Mortality Rate per 1,000 Births		6.7	16.5	6.2	6.9	11.4	14.2	6.8	13.5
Percent Low Birthweight (1990 - 1994) (<2500 g)		5.6%	13.7%	4.4%	6.0%	6.1%	11.4%	5.0%	8.8%
Number Low Birthweight (1990 - 1994)		108	654	91	157	273	393	88	312

Source: Bureau of Health Information and Policy, Division of Public Health, Department of Health and Family Services.

Note: Rates are not calculated for events less than 5.

**Table 3. Selected Hospitalizations During Pregnancy and Among Neonates,  
By Milwaukee County Zip Code of Residence, 1990 - 1994 Inclusive**

8/1/2006

<b>During Pregnancy (Women)</b>		53219	53220	53221	53222	53223	53224	53225	53226
Pyelonephritis	(a) 646.63 X 590.10	0	1	4	1	3	3	7	0
	(b) 646.63 X 590.80	1	0	0	0	3	5	2	0
	(c) 590.10 X v22.2	0	0	1	0	0	0	0	0
	(d) 590.80 X v22.2	0	1	1	0	1	0	1	0
Sickle cell crisis	648.23 X 282.62	0	0	0	0	0	0	0	0
Epilepsy	(a) 648.93 X 345.3	0	0	0	0	0	0	0	0
Asthma	(a) 648.93 X 493.00 - .90	1	0	1	2	1	1	3	1
	(b) 648.93 X 493.01 - .91	0	0	1	0	0	0	0	0
	(c) 646.83 X 493.00 - .90	0	0	0	0	0	0	0	0
	(d) 646.83 X 493.01 - .91	0	0	0	0	0	0	0	0
Diabetic ketoacidosis	648.03 X 250.10 - .13	1	1	1	0	1	0	0	0
Abnormal glucose tolerance	648.83 X any	1	1	3	2	3	7	4	0
Diabetes	648.03 X any	4	3	4	2	8	4	6	2
Drug abuse	(a) 648.33 X any	0	0	0	1	1	1	0	0
	(b) 648.43 X 303.0x - 303.9x	0	0	0	1	0	0	1	0
	(c) 648.43 X 305.0	0	0	0	0	0	0	0	0
	(d) 648.43 X 305.2x - 305.9x	0	0	0	0	1	0	1	0
	(e) 304.21 X v22.2	1	0	0	0	2	1	0	0
	(f) 304.21 X v23.8	0	0	0	0	0	0	0	0
Eclampsia	642.63 X any	0	0	0	0	0	0	0	0
Selected Pregnancy Hospitalizations Total		9	7	16	9	24	22	25	3
Selected Pregnancy Hospitalizations per 1,000 births		4.1	4.7	7.3	5.5	12.6	13.1	11.9	n/a
<b>During the Neonatal Period (Infants)</b>		53219	53220	53221	53222	53223	53224	53225	53226
Congenital rubella	any X 771.0	0	0	0	0	0	0	0	0
Congenital syphilis	(a) 090.0 - 090.4x X any	0	1	0	0	0	0	0	0
	(b) any X 090.0 - 090.4x	1	0	0	0	0	0	1	0
	(c) 090.9 X any	0	0	0	0	0	0	0	1
	(d) any X 090.9	0	1	0	2	0	3	4	0
Drug reactions	any X 779.4	0	0	0	0	0	0	0	0
Drug withdrawal	any X 779.5	0	1	0	0	0	0	1	0
Extreme immaturity	v30.00 - 30.11 X 765.0x	10	6	7	3	6	10	9	3
Other preterm infant	v30.00 - 30.11 X 765.1x	110	54	94	68	102	102	109	56
Hemolytic disease (Rh iso.)	(a) 773.0 X any	0	0	0	0	0	0	0	0
	(b) any X 773.0	0	0	3	3	1	2	0	0
Other viral incl HIV, hepatitis	v30.00 - 30.11 X v01.7	0	0	0	0	0	0	0	2
Maternal nutritional disorders	any X 760.4	0	0	0	0	0	0	0	0
Noxious influences	(a) any X 760.71	0	0	0	1	1	0	0	0
	(b) any X 760.72	1	0	1	1	1	4	0	0
	(c) any X 760.73	1	0	0	0	1	0	0	0
	(d) any X 760.75	2	1	4	2	6	3	3	0
Patent ductus arteriosus	(a) 747.0 X any	0	0	0	0	0	0	1	0
	(b) any X 747.0	6	4	4	6	5	4	9	2
Selected Neonatal Hospitalizations Total		131	68	113	86	123	128	137	64
Selected Neonatal Hospitalizations per 1,000 births		59.4	45.2	51.6	52.5	64.7	76.1	65.1	57.1
All Selected Hospitalizations		140	75	129	95	147	150	162	67
All Selected Hospitalizations per 1,000 births		63.5	49.8	58.9	58.0	77.4	89.2	77.0	57.1
Total Births (1990 -1994)		2,206	1,505	2,189	1,639	1,900	1,682	2,104	1,120
Total Infant Deaths (1990-1994)		17	6	13	9	13	15	13	6
Infant Mortality Rate per 1,000 Births		7.7	4.0	5.9	5.5	6.8	8.9	6.2	5.4
Percent Low Birthweight (1990 - 1994) (<2500 g)		5.3%	4.3%	4.5%	6.2%	6.7%	7.1%	6.1%	4.5%
Number Low Birthweight (1990 - 1994)		118	65	99	101	128	119	128	50

Source: Bureau of Health Information and Policy, Division of Public Health, Department of Health and Family Services.

Note: Rates are not calculated for events less than 5.

**Table 3. Selected Hospitalizations During Pregnancy and Among Neonates,  
By Milwaukee County Zip Code of Residence, 1990 - 1994 Inclusive**

8/1/2006

<b>During Pregnancy (Women)</b>		53227	53228	53233	53234	53235	Total
Pyelonephritis	(a) 646.63 X 590.10	1	0	5	0	1	212
	(b) 646.63 X 590.80	4	1	6	0	0	180
	(c) 590.10 X v22.2	0	0	0	0	0	10
	(d) 590.80 X v22.2	0	0	0	0	0	41
Sickle cell crisis	648.23 X 282.62	0	0	0	0	0	35
Epilepsy	(a) 648.93 X 345.3	2	0	0	0	0	3
Asthma	(a) 648.93 X 493.00 - .90	0	0	1	2	0	100
	(b) 648.93 X 493.01 - .91	0	0	0	0	0	11
	(c) 646.83 X 493.00 - .90	0	0	2	0	0	15
	(d) 646.83 X 493.01 - .91	0	0	0	0	0	0
Diabetic ketoacidosis	648.03 X 250.10 - .13	0	0	0	0	0	14
Abnormal glucose tolerance	648.83 X any	1	2	12	0	0	293
Diabetes	648.03 X any	4	0	1	0	0	266
Drug abuse	(a) 648.33 X any	0	0	6	0	0	158
	(b) 648.43 X 303.0x - 303.9x	1	1	0	0	0	15
	(c) 648.43 X 305.0	0	0	1	0	0	16
	(d) 648.43 X 305.2x - 305.9x	0	0	0	0	0	29
	(e) 304.21 X v22.2	0	0	8	0	0	101
	(f) 304.21 X v23.8	0	0	0	0	0	1
Eclampsia	642.63 X any	0	0	0	0	0	1
Selected Pregnancy Hospitalizations Total		13	4	42	2	1	1,501
Selected Pregnancy Hospitalizations per 1,000 births		9.0	n/a	36.4	n/a	n/a	18.6
<b>During the Neonatal Period (Infants)</b>		53227	53228	53233	53234	53235	Total
Congenital rubella	any X 771.0	0	0	0	0	0	4
Congenital syphilis	(a) 090.0 - 090.4x X any	0	0	1	0	0	18
	(b) any X 090.0 - 090.4x	0	0	1	0	0	54
	(c) 090.9 X any	0	0	0	0	0	7
	(d) any X 090.9	0	0	9	0	0	185
Drug reactions	any X 779.4	0	0	0	0	0	3
Drug withdrawal	any X 779.5	1	0	1	0	0	43
Extreme immaturity	v30.00 - 30.11 X 765.0x	5	4	4	0	2	514
Other preterm infant	v30.00 - 30.11 X 765.1x	58	32	130	0	11	5,772
Hemolytic disease (Rh iso.)	(a) 773.0 X any	0	0	0	0	0	1
	(b) any X 773.0	2	1	0	0	1	84
Other viral incl HIV, hepatitis	v30.00 - 30.11 X v01.7	0	0	6	0	0	86
Maternal nutritional disorders	any X 760.4	0	0	0	0	0	3
Noxious influences	(a) any X 760.71	0	0	3	0	0	44
	(b) any X 760.72	0	0	10	0	0	234
	(c) any X 760.73	0	0	0	0	0	5
	(d) any X 760.75	3	0	14	0	0	608
Patent ductus arteriosus	(a) 747.0 X any	0	0	0	0	0	3
	(b) any X 747.0	5	2	4	0	1	245
Selected Neonatal Hospitalizations Total		74	39	183	0	15	7,913
Selected Neonatal Hospitalizations per 1,000 births		51.0	47.4	158.7	n/a	50.7	97.9
All Selected Hospitalizations		87	43	225	2	16	9,414
All Selected Hospitalizations per 1,000 births		59.9	47.4	195.1	n/a	50.7	116.4
Total Births (1990 -1994)		1,452	822	1,153	5	296	80,850
Total Infant Deaths (1990-1994)		14	8	11	0	1	835
Infant Mortality Rate per 1,000 Births		9.6	9.7	9.5	n/a	n/a	10.3
Percent Low Birthweight (1990 - 1994) (<2500 g)		4.6%	4.5%	11.8%	n/a	6.4%	8.8%
Number Low Birthweight (1990 - 1994)		67	37	136	0	19	7076

Source: Bureau of Health Information and Policy, Division of Public Health, Department of Health and Family Services.

Note: Rates are not calculated for events less than 5.

**Table 4. Selected Hospitalizations During Pregnancy and Among Neonates,  
By Milwaukee County Zip Code of Residence, 2000 - 2004 Inclusive**

8/2/2006

<b>During Pregnancy (Women)</b>	53110	53129	53130	53132	53154	53172	53201	53202
Pyelonephritis	(a) 646.63 X 590.10	1	0	0	0	2	0	2
	(b) 646.63 X 590.80	5	1	1	1	2	0	0
	(c) 590.10 X v22.2	0	0	0	0	0	0	0
	(d) 590.80 X v22.2	0	0	0	0	0	0	0
Sickle cell crisis	648.23 X 282.62	0	0	0	0	0	0	0
Epilepsy	(a) 648.93 X 345.3	0	0	0	0	0	0	0
Asthma	(a) 648.93 X 493.00 - .90	0	0	0	3	4	1	0
	(b) 648.93 X 493.01 - .91	0	0	0	1	0	0	0
	(c) 646.83 X 493.00 - .90	0	0	0	0	0	1	0
	(d) 646.83 X 493.01 - .91	0	0	0	0	0	0	0
Diabetic ketoacidosis	648.03 X 250.10 - .13	0	0	0	0	0	0	0
Abnormal glucose tolerance	648.83 X any	1	1	2	0	1	5	1
Diabetes	648.03 X any	1	0	1	0	2	6	0
Drug Abuse	(a) 648.33 X any	0	0	0	1	0	0	0
	(b) 648.43 X 303.0x - 303.9	0	0	0	0	0	0	1
	(c) 648.43 X 305.0	0	0	1	0	0	0	0
	(d) 648.43 X 305.2x - 305.9	1	1	0	0	0	0	1
	(e) 304.21 X v22.2	0	0	0	0	0	0	0
Eclampsia	642.63 X any	0	0	0	0	0	1	0
Selected Pregnancy Hospitalizations Total	9	3	5	6	9	18	1	10
Selected Pregnancy Hospitalizations per 1,000 births	8.2	n/a	14.8	3.7	4.4	14.4	n/a	16.7
<b>During the Neonatal Period (Infants)</b>	53110	53129	53130	53132	53154	53172	53201	53202
Congenital rubella	any X 771.0	0	0	0	0	0	0	0
Congenital syphilis	(a) 090.0 - 090.4x X any	0	0	0	0	0	0	0
	(b) any X 090.0 - 090.4x	0	0	0	0	0	1	0
	(c) 090.9 X any	0	0	0	0	0	0	0
	(d) any X 090.9	0	0	0	0	0	0	0
Drug reactions	any X 779.4	0	0	0	0	0	0	0
Drug withdrawal	(a) 779.5 X any	0	0	0	0	0	0	0
	(b) any X 779.5	1	0	0	1	0	2	0
Extreme immaturity	v30.00 - 30.11 X 765.0x	2	0	2	8	2	6	0
Other preterm infant	v30.00 - 30.11 X 765.1x	48	27	17	85	116	62	2
Hemolytic disease (Rh iso.)	(a) 773.0 X any	0	0	0	0	0	0	0
	(b) any X 773.0	2	0	0	1	2	2	0
Other viral incl HIV, hepatitis	v30.00 - 30.11 X v01.7	1	0	0	1	1	0	0
Maternal nutritional disorders	any X 760.4	0	0	0	0	0	0	0
Noxious influences	(a) any X 760.71	0	0	0	0	0	0	0
	(b) any X 760.72	1	2	0	0	0	1	0
	(c) any X 760.73	0	0	0	0	0	0	0
	(d) any X 760.75	0	0	0	2	0	3	0
Patent ductus arteriosus	(a) 747.0 X any	0	0	0	0	2	1	0
	(b) any X 747.0	5	1	0	1	7	0	4
Selected Neonatal Hospitalizations Total	60	30	19	99	130	78	2	26
Selected Neonatal Hospitalizations per 1,000 births	54.5	49.1	56.2	61.8	63.6	62.3	n/a	43.4
All Selected Hospitalizations	69	33	24	105	139	96	3	36
All Selected Hospitalizations per 1,000 births	62.7	54.0	71.0	65.5	68.0	76.6	n/a	60.1
Total Births (2000 - 2004)	1,101	611	338	1,602	2,044	1,253	46	599
Total Infant Deaths (2000 - 2004)	4	2	0	5	6	8	0	7
Infant Mortality Rate per 1,000 Births	n/a	n/a	n/a	3.1	2.9	6.4	n/a	11.7
Percent Low Birthweight (2000 - 2004) (<2500 g)	5.6%	4.7%	5.9%	6.1%	6.5%	7.6%	10.9%	8.8%
Number Low Birthweight (2000 - 2004)	62	29	20	98	132	95	5	53

Source: Bureau of Health Information and Policy, Division of Public Health, Department of Health and Family Services.

Note: Rates are not calculated for events less than 5.

**Table 4. Selected Hospitalizations During Pregnancy and Among Neonates,  
By Milwaukee County Zip Code of Residence, 2000 - 2004 Inclusive**

8/2/2006

<b>During Pregnancy (Women)</b>		53203	53204	53205	53206	53207	53208	53209	53210
Pyelonephritis	(a) 646.63 X 590.10	0	11	10	14	0	14	9	5
	(b) 646.63 X 590.80	0	33	5	24	5	27	19	18
	(c) 590.10 X v22.2	0	0	0	0	0	0	0	0
	(d) 590.80 X v22.2	0	0	0	0	0	0	0	0
Sickle cell crisis	648.23 X 282.62	0	0	9	11	1	1	11	7
Epilepsy	(a) 648.93 X 345.3	0	0	0	0	0	0	0	0
Asthma	(a) 648.93 X 493.00 - .90	0	7	3	8	6	9	2	2
	(b) 648.93 X 493.01 - .91	0	3	0	1	0	1	1	1
	(c) 646.83 X 493.00 - .90	0	0	0	1	1	2	1	0
	(d) 646.83 X 493.01 - .91	0	0	0	0	0	0	0	1
Diabetic ketoacidosis	648.03 X 250.10 - .13	0	2	0	0	0	1	0	1
Abnormal glucose tolerance	648.83 X any	0	8	2	6	2	13	6	7
Diabetes	648.03 X any	0	22	4	10	3	24	17	13
Drug Abuse	(a) 648.33 X any	0	2	0	8	1	0	2	0
	(b) 648.43 X 303.0x - 303.9	0	0	0	3	2	0	3	1
	(c) 648.43 X 305.0	0	2	0	5	0	1	1	2
	(d) 648.43 X 305.2x - 305.9	0	3	0	2	1	4	0	3
	(e) 304.21 X v22.2	0	0	0	0	0	0	0	0
Eclampsia	642.63 X any	0	0	0	0	0	0	0	0
Selected Pregnancy Hospitalizations Total		0	93	33	93	22	97	72	61
Selected Pregnancy Hospitalizations per 1,000 births	n/a	17.3	27.5	26.4	8.7	25.8	18.1	19.8	
<b>During the Neonatal Period (Infants)</b>		53203	53204	53205	53206	53207	53208	53209	53210
Congenital rubella	any X 771.0	0	0	0	0	0	0	0	0
Congenital syphilis	(a) 090.0 - 090.4x X any	0	0	0	1	0	0	0	0
	(b) any X 090.0 - 090.4x	0	1	1	0	2	1	2	1
	(c) 090.9 X any	0	0	0	0	0	1	0	0
	(d) any X 090.9	0	0	0	0	0	0	0	0
Drug reactions	any X 779.4	0	0	0	0	0	0	0	0
Drug withdrawal	(a) 779.5 X any	0	0	0	0	0	0	1	0
	(b) any X 779.5	0	9	0	5	4	5	5	0
Extreme immaturity	v30.00 - 30.11 X 765.0x	0	33	15	53	9	29	45	34
Other preterm infant	v30.00 - 30.11 X 765.1x	3	259	83	263	126	199	245	188
Hemolytic disease (Rh iso.)	(a) 773.0 X any	0	0	0	1	0	0	0	0
	(b) any X 773.0	0	1	1	1	2	2	4	0
Other viral incl HIV, hepatitis	v30.00 - 30.11 X v01.7	0	3	0	3	0	2	2	3
Maternal nutritional disorders	any X 760.4	0	0	0	0	0	0	0	0
Noxious influences	(a) any X 760.71	0	1	0	8	1	3	3	1
	(b) any X 760.72	0	5	3	4	0	2	2	3
	(c) any X 760.73	0	0	0	0	0	0	1	0
	(d) any X 760.75	0	28	9	40	4	36	28	26
Patent ductus arteriosus	(a) 747.0 X any	0	1	0	0	0	1	1	3
	(b) any X 747.0	0	16	4	8	8	11	12	8
Selected Neonatal Hospitalizations Total		3	357	116	387	156	292	351	267
Selected Neonatal Hospitalizations per 1,000 births	n/a	66.3	96.8	109.7	61.6	77.6	88.2	86.6	
All Selected Hospitalizations		3	450	149	480	178	389	423	328
All Selected Hospitalizations per 1,000 births	n/a	83.5	124.4	136.1	70.3	103.4	106.3	106.4	
Total Births (2000 - 2004)		38	5,387	1,198	3,527	2,531	3,762	3,979	3,083
Total Infant Deaths (2000 - 2004)		0	50	14	81	19	57	58	50
Infant Mortality Rate per 1,000 Births		n/a	9.3	11.7	23.0	7.5	15.2	14.6	16.2
Percent Low Birthweight (2000 - 2004) (<2500 g)		5.3%	7.6%	13.8%	15.2%	7.0%	11.5%	12.2%	11.7%
Number Low Birthweight (2000 - 2004)		2	407	165	536	178	432	484	362

Source: Bureau of Health Information and Policy, Division of Public Health, Department of Health and Family Services.

Note: Rates are not calculated for events less than 5.

**Table 4. Selected Hospitalizations During Pregnancy and Among Neonates,  
By Milwaukee County Zip Code of Residence, 2000 - 2004 Inclusive**

8/2/2006

<b>During Pregnancy (Women)</b>		53211	53212	53213	53214	53215	53216	53217	53218
Pyelonephritis	(a) 646.63 X 590.10	0	10	0	6	12	3	0	10
	(b) 646.63 X 590.80	0	15	5	10	44	9	2	20
	(c) 590.10 X v22.2	0	0	0	0	0	0	0	0
	(d) 590.80 X v22.2	0	0	0	0	0	1	0	0
Sickle cell crisis	648.23 X 282.62	0	0	0	0	1	5	0	10
Epilepsy	(a) 648.93 X 345.3	0	0	0	0	0	0	0	0
Asthma	(a) 648.93 X 493.00 - .90	0	10	1	2	5	4	0	9
	(b) 648.93 X 493.01 - .91	0	0	1	0	4	0	0	0
	(c) 646.83 X 493.00 - .90	0	2	0	1	1	0	0	1
	(d) 646.83 X 493.01 - .91	0	0	0	0	0	0	0	0
Diabetic ketoacidosis	648.03 X 250.10 - .13	0	3	0	1	0	2	0	2
Abnormal glucose tolerance	648.83 X any	2	4	2	6	7	10	0	0
Diabetes	648.03 X any	1	15	0	3	28	18	1	17
Drug Abuse	(a) 648.33 X any	0	8	0	0	0	5	0	3
	(b) 648.43 X 303.0x - 303.9	0	2	0	0	0	0	0	1
	(c) 648.43 X 305.0	1	3	0	0	0	0	0	0
	(d) 648.43 X 305.2x - 305.9	0	4	0	1	3	4	0	1
	(e) 304.21 X v22.2	0	0	0	0	0	0	0	0
Eclampsia	642.63 X any	0	0	0	0	0	0	0	0
Selected Pregnancy Hospitalizations Total		4	76	9	30	105	61	3	74
Selected Pregnancy Hospitalizations per 1,000 births	n/a	25.8	4.8	12.9	17.6	21.3	n/a	19.8	
<b>During the Neonatal Period (Infants)</b>		53211	53212	53213	53214	53215	53216	53217	53218
Congenital rubella	any X 771.0	0	0	0	0	0	0	0	0
Congenital syphilis	(a) 090.0 - 090.4x X any	0	0	0	0	0	1	0	0
	(b) any X 090.0 - 090.4x	0	1	0	0	1	4	0	2
	(c) 090.9 X any	0	0	0	0	0	0	0	0
	(d) any X 090.9	0	1	0	0	0	0	0	0
Drug reactions	any X 779.4	0	0	0	0	0	0	0	0
Drug withdrawal	(a) 779.5 X any	0	0	0	0	0	0	0	0
	(b) any X 779.5	2	10	1	1	5	2	0	5
Extreme immaturity	v30.00 - 30.11 X 765.0x	11	36	3	8	22	35	1	26
Other preterm infant	v30.00 - 30.11 X 765.1x	61	191	71	99	275	169	64	214
Hemolytic disease (Rh iso.)	(a) 773.0 X any	0	0	0	0	0	0	0	0
	(b) any X 773.0	3	0	3	3	4	1	1	3
Other viral incl HIV, hepatitis	v30.00 - 30.11 X v01.7	1	3	0	0	0	4	1	8
Maternal nutritional disorders	any X 760.4	0	0	0	0	0	0	0	0
Noxious influences	(a) any X 760.71	0	1	0	0	1	2	0	1
	(b) any X 760.72	1	2	2	1	2	2	0	5
	(c) any X 760.73	0	2	0	0	0	0	0	0
	(d) any X 760.75	1	26	2	2	16	14	0	19
Patent ductus arteriosus	(a) 747.0 X any	0	2	0	0	1	0	1	0
	(b) any X 747.0	1	6	10	16	14	10	2	17
Selected Neonatal Hospitalizations Total		81	281	92	130	341	244	70	300
Selected Neonatal Hospitalizations per 1,000 births		54.8	95.4	49.2	55.9	57.0	85.3	41.1	80.4
All Selected Hospitalizations		85	357	101	160	446	305	73	374
All Selected Hospitalizations per 1,000 births		57.5	121.2	54.0	68.8	74.6	106.6	42.9	100.2
Total Births (2000 - 2004)		1,477	2,945	1,869	2,327	5,981	2,861	1,702	3,732
Total Infant Deaths (2000 - 2004)		12	42	9	19	43	37	4	55
Infant Mortality Rate per 1,000 Births		8.1	14.3	4.8	8.2	7.2	12.9	2.4	14.7
Percent Low Birthweight (2000 - 2004) (<2500 g)		5.3%	12.2%	5.5%	6.1%	6.7%	12.3%	5.9%	10.2%
Number Low Birthweight (2000 - 2004)		79	360	102	142	403	353	101	380

Source: Bureau of Health Information and Policy, Division of Public Health, Department of Health and Family Services.

Note: Rates are not calculated for events less than 5.

**Table 4. Selected Hospitalizations During Pregnancy and Among Neonates,  
By Milwaukee County Zip Code of Residence, 2000 - 2004 Inclusive**

8/2/2006

<b>During Pregnancy (Women)</b>		53219	53220	53221	53222	53223	53224	53225	53226
Pyelonephritis	(a) 646.63 X 590.10	2	0	1	3	2	3	6	1
	(b) 646.63 X 590.80	8	3	1	2	9	12	11	0
	(c) 590.10 X v22.2	0	0	0	0	1	0	0	0
	(d) 590.80 X v22.2	0	0	0	0	0	0	0	0
Sickle cell crisis	648.23 X 282.62	0	0	0	0	3	0	0	0
Epilepsy	(a) 648.93 X 345.3	0	0	0	0	0	0	0	0
Asthma	(a) 648.93 X 493.00 - .90	2	1	2	1	1	1	4	1
	(b) 648.93 X 493.01 - .91	0	0	0	0	0	0	0	0
	(c) 646.83 X 493.00 - .90	1	0	0	0	0	0	0	0
	(d) 646.83 X 493.01 - .91	0	0	0	0	0	0	0	0
Diabetic ketoacidosis	648.03 X 250.10 - .13	0	1	1	0	0	1	0	0
Abnormal glucose tolerance	648.83 X any	1	6	2	2	2	5	8	0
Diabetes	648.03 X any	2	2	2	2	9	7	9	0
Drug Abuse	(a) 648.33 X any	5	3	2	1	1	0	1	2
	(b) 648.43 X 303.0x - 303.9	1	0	0	0	0	0	1	0
	(c) 648.43 X 305.0	0	0	0	0	0	0	0	0
	(d) 648.43 X 305.2x - 305.9	0	0	0	1	0	1	3	0
	(e) 304.21 X v22.2	0	0	0	0	0	0	0	1
Eclampsia	642.63 X any	0	0	0	0	0	0	0	0
Selected Pregnancy Hospitalizations Total		22	16	11	12	28	30	43	5
Selected Pregnancy Hospitalizations per 1,000 births		10.1	11.1	4.8	6.4	15.4	16.6	18.3	4.0

<b>During the Neonatal Period (Infants)</b>		53219	53220	53221	53222	53223	53224	53225	53226
Congenital rubella	any X 771.0	0	0	0	0	0	0	0	0
Congenital syphilis	(a) 090.0 - 090.4x X any	1	0	0	0	0	0	0	0
	(b) any X 090.0 - 090.4x	0	0	0	0	0	0	0	0
	(c) 090.9 X any	0	0	0	0	0	0	0	0
	(d) any X 090.9	0	0	0	0	0	0	0	0
Drug reactions	any X 779.4	0	0	0	0	0	0	0	0
Drug withdrawal	(a) 779.5 X any	0	0	0	0	2	0	0	0
	(b) any X 779.5	1	1	2	2	3	0	2	0
Extreme immaturity	v30.00 - 30.11 X 765.0x	4	4	11	5	19	13	16	1
Other preterm infant	v30.00 - 30.11 X 765.1x	106	71	102	88	82	98	118	55
Hemolytic disease (Rh iso.)	(a) 773.0 X any	0	0	0	0	2	0	0	0
	(b) any X 773.0	2	2	1	4	2	0	0	1
Other viral incl HIV, hepatitis	v30.00 - 30.11 X v01.7	1	0	2	0	3	0	0	0
Maternal nutritional disorders	any X 760.4	0	0	0	0	0	0	0	0
Noxious influences	(a) any X 760.71	0	0	0	0	0	0	0	0
	(b) any X 760.72	1	1	0	0	2	0	3	0
	(c) any X 760.73	0	0	0	0	0	0	0	0
	(d) any X 760.75	1	1	2	4	5	7	3	0
Patent ductus arteriosus	(a) 747.0 X any	0	1	1	1	1	2	1	0
	(b) any X 747.0	9	5	6	6	5	7	4	5
Selected Neonatal Hospitalizations Total		126	86	127	110	126	127	147	62
Selected Neonatal Hospitalizations per 1,000 births		58.1	59.7	55.3	58.7	69.5	70.3	62.5	49.3
All Selected Hospitalizations		148	102	138	122	154	157	190	67
All Selected Hospitalizations per 1,000 births		68.2	70.8	60.1	65.1	84.9	86.9	80.8	53.3
Total Births (2000 - 2004)		2,170	1,440	2,297	1,875	1,814	1,806	2,352	1,258
Total Infant Deaths (2000 - 2004)		7	10	12	13	27	24	31	4
Infant Mortality Rate per 1,000 Births		3.2	6.9	5.2	6.9	14.9	13.3	13.2	n/a
Percent Low Birthweight (2000 - 2004) (<2500 g)		5.7%	6.9%	5.9%	7.3%	8.3%	10.1%	10.3%	5.4%
Number Low Birthweight (2000 - 2004)		124	100	135	136	151	182	242	68

Source: Bureau of Health Information and Policy, Division of Public Health, Department of Health and Family Services.

Note: Rates are not calculated for events less than 5.

**Table 4. Selected Hospitalizations During Pregnancy and Among Neonates,  
By Milwaukee County Zip Code of Residence, 2000 - 2004 Inclusive**

8/2/2006

<b>During Pregnancy (Women)</b>		53227	53228	53233	53234	53235	Total
Pyelonephritis	(a) 646.63 X 590.10	1	0	2	0	0	130
	(b) 646.63 X 590.80	2	0	4	1	2	303
	(c) 590.10 X v22.2	0	0	0	0	0	1
	(d) 590.80 X v22.2	0	0	0	0	0	1
Sickle cell crisis	648.23 X 282.62	0	0	0	0	0	59
Epilepsy	(a) 648.93 X 345.3	0	0	0	0	0	0
Asthma	(a) 648.93 X 493.00 - .90	3	1	4	0	0	97
	(b) 648.93 X 493.01 - .91	0	0	1	0	0	14
	(c) 646.83 X 493.00 - .90	0	0	1	0	0	13
	(d) 646.83 X 493.01 - .91	0	0	0	0	0	1
Diabetic ketoacidosis	648.03 X 250.10 - .13	0	0	0	0	0	15
Abnormal glucose tolerance	648.83 X any	1	2	2	0	0	117
Diabetes	648.03 X any	2	0	5	0	0	232
Drug Abuse	(a) 648.33 X any	0	0	1	0	1	47
	(b) 648.43 X 303.0x - 303.9	1	0	0	0	0	16
	(c) 648.43 X 305.0	0	0	1	0	0	17
	(d) 648.43 X 305.2x - 305.9	0	0	0	0	0	34
	(e) 304.21 X v22.2	0	0	0	0	0	1
Eclampsia	642.63 X any	0	1	0	0	0	2
Selected Pregnancy Hospitalizations Total		10	4	21	1	3	1,100
Selected Pregnancy Hospitalizations per 1,000 births		7.6	n/a	26.5	n/a	n/a	15.2
<b>During the Neonatal Period (Infants)</b>		53227	53228	53233	53234	53235	Total
Congenital rubella	any X 771.0	0	0	0	0	0	0
Congenital syphilis	(a) 090.0 - 090.4x X any	0	0	0	0	0	3
	(b) any X 090.0 - 090.4x	0	0	0	0	0	17
	(c) 090.9 X any	0	0	0	0	0	1
	(d) any X 090.9	0	0	0	0	0	1
Drug reactions	any X 779.4	0	0	0	0	0	0
Drug withdrawal	(a) 779.5 X any	0	0	0	0	0	3
	(b) any X 779.5	2	0	1	0	0	72
Extreme immaturity	v30.00 - 30.11 X 765.0x	7	2	11	0	1	480
Other preterm infant	v30.00 - 30.11 X 765.1x	60	39	54	3	23	3,780
Hemolytic disease (Rh iso.)	(a) 773.0 X any	0	0	1	0	0	4
	(b) any X 773.0	2	2	2	0	0	54
Other viral incl HIV, hepatitis	v30.00 - 30.11 X v01.7	0	0	0	0	0	39
Maternal nutritional disorders	any X 760.4	0	0	0	0	0	0
Noxious influences	(a) any X 760.71	0	0	1	0	0	23
	(b) any X 760.72	0	0	0	0	0	45
	(c) any X 760.73	0	0	0	0	0	3
	(d) any X 760.75	1	1	4	0	0	287
Patent ductus arteriosus	(a) 747.0 X any	1	0	0	0	0	21
	(b) any X 747.0	6	3	3	0	1	221
Selected Neonatal Hospitalizations Total		79	47	77	3	25	5,054
Selected Neonatal Hospitalizations per 1,000 births		60.0	64.3	97.1	n/a	57.2	69.7
All Selected Hospitalizations		89	51	98	4	28	6,154
All Selected Hospitalizations per 1,000 births		67.6	69.8	123.6	n/a	64.1	84.9
Total Births (2000 - 2004)		1,317	731	793	34	437	72,317
Total Infant Deaths (2000 - 2004)		13	4	12	0	4	743
Infant Mortality Rate per 1,000 Births		9.9	n/a	15.1	n/a	n/a	10.3
Percent Low Birthweight (2000 - 2004) (<2500 g)		7.8%	6.2%	11.3%	5.9%	7.8%	8.8%
Number Low Birthweight (2000 - 2004)		103	45	90	2	34	6,392

Source: Bureau of Health Information and Policy, Division of Public Health, Department of Health and Family Services.

Note: Rates are not calculated for events less than 5.

## Appendix

### Description of ICD-9 Codes Used for Selected Hospitalizations During Pregnancy

These tables present descriptions of the ICD-9 codes used to select inpatient hospital discharges for the conditions included in the reference tables.

These are counts of hospitalizations, not patients. (An individual patient may have more than one hospitalization in the reporting period.) If a patient had more than one of the selected conditions listed on the discharge record, the hospitalization was counted for only one of the conditions, selected in the order that the conditions are listed here. For example; if a patient had both Epilepsy and Asthma reported on the discharge record, that discharge would be counted only as Epilepsy in these tables.

<b>During Pregnancy (Women)</b>		<b>Principal Diagnosis</b>	<b>Secondary Diagnosis</b>
<b>Pyelonephritis</b>	(a) 646.63 X 590.10	Genitourinary infection in pregnancy	Acute pyelonephritis
	(b) 646.63 X 590.80	Genitourinary infection in pregnancy	Other pyelonephritis
	(c) 590.10 X v22.2	Acute pyelonephritis	Normal pregnancy, incidental
	(d) 590.80 X v22.2	Other pyelonephritis	Normal pregnancy, incidental
<b>Sickle cell crisis</b>	648.23 X 282.62	Complications of pregnancy - Anemia	Sickle-cell Disease Hb-SS with Crisis
<b>Epilepsy</b>	648.93 X 345.3	Complications of pregnancy - Other	Epilepsy, grand mal status
<b>Asthma</b>	(a) 648.93 X 493.00 - .90	Complications of pregnancy - Other	Asthma, unspecified
	(b) 648.93 X 493.01 - .91	Complications of pregnancy - Other	Asthma, with status asthmaticus
	(c) 646.83 X 493.00 - .90	Complications of pregnancy - Other	Asthma, unspecified
	(d) 646.83 X 493.01 - .91	Complications of pregnancy - Other	Asthma, with status asthmaticus
<b>Diabetic ketoacidosis</b>	648.03 X 250.10 - .13	Complications of pregnancy - Diabetes	Diabetes with ketoacidosis
<b>Abnormal glucose tolerance</b>	648.83 X any	Compl. of pregnancy - Abnormal glucose tol.	
<b>Diabetes</b>	648.03 X any	Complications of pregnancy - Diabetes	
<b>Drug abuse</b>	(a) 648.33 X any	Compl. of pregnancy - Drug dependence	
	(b) 648.43 X 303.0x - 303.9x	Complications of pregnancy - Mental disorders	Alcohol dependence syndrome
	(c) 648.43 X 305.0	Complications of pregnancy - Mental disorders	Nondependent alcohol abuse
	(d) 648.43 X 305.2x - 305.9x	Complications of pregnancy - Mental disorders	Nondependent abuse of other drugs
	(e) 304.21 X v22.2	Cocaine dependence	Normal pregnancy, incidental
	(f) 304.21 X V23.8	Cocaine dependence	Other high-risk pregnancy
<b>Eclampsia</b>	642.63 X any	Complications of pregnancy - Eclampsia	

## Appendix

### Description of ICD-9 Codes Used for Selected Hospitalizations of Infants During the Neonatal Period

These tables present descriptions of the ICD-9 codes used to select inpatient hospital discharges for the conditions included in the reference tables.

These are counts of hospitalizations, not patients. (An individual patient may have more than one hospitalization in the reporting period.) If a patient had more than one of the selected conditions listed on the discharge record, the hospitalization was counted for only one of the conditions, selected in the order that the conditions are listed here. For example, if a neonate had both congenital rubella and extreme immaturity reported on the discharge record, that discharge would be counted only as congenital rubella in these tables.

<b>During the Neonatal Period (Infants)</b>		<b>Principal Diagnosis</b>	<b>Secondary Diagnosis</b>
<b>Congenital rubella</b>	(b) any X 771.0		Congenital rubella
<b>Congenital syphilis</b>	(a) 090.0 - 090.4x X any	Congenital syphilis, early to juvenile	
	(b) any X 090.0 - 090.4x		Congenital syphilis, early to juvenile
	(c) 090.9 X any	Congenital syphilis, unspecified	
	(d) any X 090.9		Congenital syphilis, unspecified
<b>Drug reactions</b>	(a) 779.4 X any	Drug reactions & intoxications of newborn	
	(b) any X 779.4		Drug reactions & intoxications of newborn
<b>Drug withdrawal</b>	(a) 779.5 X any	Drug withdrawal syndrome in newborn	
	(b) any X 779.5		Drug withdrawal syndrome in newborn
<b>Extreme immaturity</b>	v30.00 - 30.11 X 765.0x	Single liveborn infant	Extreme immaturity – birthwt usually < 1000 gms
<b>Other preterm Infant</b>	v30.00 - 30.11 X 765.1x	Single liveborn infant	Other preterm infants - usually 1000-2499 gms
<b>Hemolytic disease (Rh iso.)</b>	(a) 773.0 X any	Hemolytic disease due to Rh isoimmunization	
	(b) any X 773.0		Hemolytic disease due to Rh isoimmunization
<b>Other viral incl HIV, hepatitis</b>	V30.00-V30.11 X V01.7	Single liveborn infant	Other viral diseases
<b>Maternal nutritional disorders</b>	any X 760.4		Fetus or newborn affected by maternal nutritional deficiencies
<b>Noxious influences</b>	(a) any X 760.71		Alcohol aff. fetus/newborn - placenta/br. milk
	(b) any X 760.72		Narcotics aff. fetus/newborn - placenta/br. milk
	(c) any X 760.73		Hallucinogens aff. fetus/newborn - placenta/br. milk
	(d) any X 760.75		Cocaine aff. fetus/newborn - placenta/br. milk
<b>Patent ductus arteriosus</b>	(a) 747.0 X any	Patent ductus arteriosus	
	(b) any X 747.0		Patent ductus arteriosus